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# SEQUENCE LISTING

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<120> METHOD

<130> 674509-2025.1

<140> 10/693,234

<141> 2003-10-24

<150> 09/722,938

<151> 2000-11-27

<150> PCT/IB00/01886

<151> 2000-11-24

<150> GB 9927801.2

<151> 1999-11-24

<160> 36

<170> PatentIn Ver. 3.2

<210> 1

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
N-terminal amino acid sequence

<400> 1

Ala Thr Leu Pro Gln Lys Asp Pro Gly Tyr  
1 5 10

<210> 2

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 2

actccatggc tactttgccca caaaaggacc caggttacat tgttattgac gtcaacgctg 60  
9 61

<210> 3  
 <211> 107  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 3  
 cgaaatcgat gttggtacca atccatcttc tgttgaaacc ttgcttcacg gatggcaatc 60  
 ttgggtcagg cttgtctgga gtaccagcgt tgacgtcaat aacaatg 107

<210> 4  
 <211> 106  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 4  
 gattggtacc aacatcgatt tcgtttacgt cgtttacact ccacaagggtg cttgtactgc 60  
 tttggacaga gctatggaaa agtgttctcc aggtaccgtc agaatc 106

<210> 5  
 <211> 106  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 5  
 ttcaacaaaa ccagtaacgt tgataatagc cttgacacat tcgtcgaaaa cgaagtcttc 60  
 gtaacagtga ccaccagaaa cgattctgac ggtacctgga gaacac 106

<210> 6  
 <211> 120  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 6  
 atcaacgtta ctggttttgt tgaatctggt tacgacgacg atagagggtta cttcgtctct 60  
 tccggtgaca ccaactgggg ttcttcaag acctgttca gagaccacgg tagagttttg 120

<210> 7  
 <211> 109  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 7  
 caaacctgtgc aatctggcca aaataccgtc acctccaccg acaatgtgac caccctaaacc 60  
 gacggagtaa caggaaccac ctggcaaac tctaccgtgg tctctgaac 109

<210> 8  
 <211> 109  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 8  
 tttggccaga ttgcacggtt tgccagtoga ttggttatcc ggtgttgaag ttgtcgtaa 60  
 gccagtcttg accgaagact ctgttcttaa gtacgttcac aaggattcc 109

<210> 9  
 <211> 116  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 9  
 ggcaaatacct tgaagtagta tttggtgata ataccgaagt tacctccacc tccaccagtg 60  
 tgagcccaaa acaactcacc gtcgttacct tcggaatacct tgtgaacgta cttaag 116

<210> 10  
 <211> 118  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 10  
 caaatactac ttcaaggatt tgccaatgtc tccaagaggt gtcacgcgtt ctaacttaca 60  
 cttctcttgg gacggtttca ctagagatgc cttgcaagat ttgttgacta agtacttc 118

<210> 11  
 <211> 118  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 11  
 ggaggtatac aagtacataa caaactcttc agctgcttgg tggaagattt ggaacttacc 60  
 aacagtattc ttccaatcac atctagccaa cttgaagtac ttagtcaaca aatcttgc 118

<210> 12  
 <211> 96  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 12  
 atcttccatc aggcagctga agagtttggt atgtacttgt atacatccta ctctaacgac 60  
 gccgagagag aagttgcca agacagacac tatcat 96

<210> 13  
 <211> 102  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 13  
 gaaaggagcc caaccagcat gaccaccaag agctttggta ggctcgcatg tttttagat 60  
 ctgttcaatg tcagcctcca aatgatagtg tctgtcttgg gc 102

<210> 14  
 <211> 90  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 14  
 gctgggtggg ctcttttccc tgtagacct agacctagac acacatccaa gacttcttat 60  
 atgcatgacg agactatgga ctacccttcc 90

<210> 15  
 <211> 120  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 15  
 aatctggaag tctggaaagt ccttgatcat gtaagcagac ttgtacttac ctctctgatt 60  
 aggaccggaa ccgttgatag tctcagtcaa agcgtagaaa gggtagtcca tagtctcgtc 120

<210> 16  
 <211> 108  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 16  
 gactttccag acttccagat tgatgttatt tggaaatacc ttactgaggt tcttgacggt 60  
 ttgactagtg ccgaaatgaa ggatgctctt cttcagggtg atatgttc 108

<210> 17  
 <211> 126  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 17  
 cttgtcttct tcttgccagt atgtctggta ctgcagtttg atgatgtact ctctctgagc 60  
 aactgcagta gcatcccaaa caaccttggt aatctcacca ccgaacatat caacctgaag 120  
 aagagc 126

<210> 18  
 <211> 108  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 18  
 acatactggc aggaagaaga caaggatgca gttaacttga agtggattag agacttttac 60  
 gaggagatgt atgagcctta tgggtggtgt ccagacccta acactcag 108

<210> 19  
 <211> 111  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 19  
 ggcaccatac ttaccgttct tccagttggt caagtcaaca tcagggtagt tgaagtagca 60  
 tccctcaaaa acacctttac cactctcaac ctgagtgtta ggtctggaa c 111

<210> 20  
 <211> 117  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 20  
 aagaacggta agtatggtgc cttggaactt tactttttgg gtaacctgaa cagattgatc 60  
 aaggccaaat ggttgtggga tcctaacgag atcttcacaa acaaacagtc tatccct 117

<210> 21  
 <211> 78  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 21  
 gaattccgcg gccgcctact atttagtctg cttaggctcc ttaagagggt tagtagggat 60  
 agactgtttg tttgtgaa 78

<210> 22  
 <211> 1644  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Nucleotide  
 sequence of synthetic Hox gene

<220>  
 <221> CDS  
 <222> (1)..(1644)

&lt;400&gt; 22

atg gct act ttg cca caa aag gac cca ggt tac att gtt att gac gtc	48
Met Ala Thr Leu Pro Gln Lys Asp Pro Gly Tyr Ile Val Ile Asp Val	
1 5 10 15	
aac gct ggt act cca gac aag cct gac cca aga ttg cca tcc atg aag	96
Asn Ala Gly Thr Pro Asp Lys Pro Asp Pro Arg Leu Pro Ser Met Lys	
20 25 30	
caa ggt ttc aac aga aga tgg att ggt acc aac atc gat ttc gtt tac	144
Gln Gly Phe Asn Arg Arg Trp Ile Gly Thr Asn Ile Asp Phe Val Tyr	
35 40 45	
gtc gtt tac act cca caa ggt gct tgt act gct ttg gac aga gct atg	192
Val Val Tyr Thr Pro Gln Gly Ala Cys Thr Ala Leu Asp Arg Ala Met	
50 55 60	
gaa aag tgt tct cca ggt acc gtc aga atc gtt tct ggt ggt cac tgt	240
Glu Lys Cys Ser Pro Gly Thr Val Arg Ile Val Ser Gly Gly His Cys	
65 70 75 80	
tac gaa gac ttc gtt ttc gac gaa tgt gtc aag gct att atc aac gtt	288
Tyr Glu Asp Phe Val Phe Asp Glu Cys Val Lys Ala Ile Ile Asn Val	
85 90 95	
act ggt ttg gtt gaa tct ggt tac gac gac gat aga ggt tac ttc gtc	336
Thr Gly Leu Val Glu Ser Gly Tyr Asp Asp Asp Arg Gly Tyr Phe Val	
100 105 110	
tct tcc ggt gac acc aac tgg ggt tcc ttc aag acc ttg ttc aga gac	384
Ser Ser Gly Asp Thr Asn Trp Gly Ser Phe Lys Thr Leu Phe Arg Asp	
115 120 125	
cac ggt aga gtt ttg cca ggt ggt tcc tgt tac tcc gtc ggt ttg ggt	432
His Gly Arg Val Leu Pro Gly Gly Ser Cys Tyr Ser Val Gly Leu Gly	
130 135 140	
ggt cac att gtc ggt gga ggt gac ggt att ttg gcc aga ttg cac ggt	480
Gly His Ile Val Gly Gly Gly Asp Gly Ile Leu Ala Arg Leu His Gly	
145 150 155 160	
ttg cca gtc gat tgg tta tcc ggt gtt gaa gtt gtc gtt aag cca gtc	528
Leu Pro Val Asp Trp Leu Ser Gly Val Glu Val Val Val Lys Pro Val	
165 170 175	
ttg acc gaa gac tct gtt ctt aag tac gtt cac aag gat tcc gaa ggt	576
Leu Thr Glu Asp Ser Val Leu Lys Tyr Val His Lys Asp Ser Glu Gly	
180 185 190	
aac gac ggt gag ttg ttt tgg gct cac act ggt gga ggt gga ggt aac	624
Asn Asp Gly Glu Leu Phe Trp Ala His Thr Gly Gly Gly Gly Gly Asn	
195 200 205	
ttc ggt att atc acc aaa tac tac ttc aag gat ttg cca atg tct cca	672
Phe Gly Ile Ile Thr Lys Tyr Tyr Phe Lys Asp Leu Pro Met Ser Pro	
210 215 220	

aga ggt gtc atc gct tct aac tta cac ttc tct tgg gac ggt ttc act	720
Arg Gly Val Ile Ala Ser Asn Leu His Phe Ser Trp Asp Gly Phe Thr	
225 230 235 240	
aga gat gcc ttg caa gat ttg ttg act aag tac ttc aag ttg gct aga	768
Arg Asp Ala Leu Gln Asp Leu Leu Thr Lys Tyr Phe Lys Leu Ala Arg	
245 250 255	
tgt gat tgg aag aat act gtt ggt aag ttc caa atc ttc cac caa gca	816
Cys Asp Trp Lys Asn Thr Val Gly Lys Phe Gln Ile Phe His Gln Ala	
260 265 270	
gct gaa gag ttt gtt atg tac ttg tat aca tcc tac tct aac gac gcc	864
Ala Glu Glu Phe Val Met Tyr Leu Tyr Thr Ser Tyr Ser Asn Asp Ala	
275 280 285	
gag aga gaa gtt gcc caa gac aga cac tat cat ttg gag gct gac att	912
Glu Arg Glu Val Ala Gln Asp Arg His Tyr His Leu Glu Ala Asp Ile	
290 295 300	
gaa cag atc tac aaa aca tgc gag cct acc aaa gct ctt ggt ggt cat	960
Glu Gln Ile Tyr Lys Thr Cys Glu Pro Thr Lys Ala Leu Gly Gly His	
305 310 315 320	
gct ggt tgg gct cct ttc cct gtt aga cct aga aag aga cac aca tcc	1008
Ala Gly Trp Ala Pro Phe Pro Val Arg Pro Arg Lys Arg His Thr Ser	
325 330 335	
aag act tct tat atg cat gac gag act atg gac tac cct ttc tac gct	1056
Lys Thr Ser Tyr Met His Asp Glu Thr Met Asp Tyr Pro Phe Tyr Ala	
340 345 350	
ttg act gag act atc aac ggt tcc ggt cct aat cag aga ggt aag tac	1104
Leu Thr Glu Thr Ile Asn Gly Ser Gly Pro Asn Gln Arg Gly Lys Tyr	
355 360 365	
aag tct gct tac atg atc aag gac ttt cca gac ttc cag att gat gtt	1152
Lys Ser Ala Tyr Met Ile Lys Asp Phe Pro Asp Phe Gln Ile Asp Val	
370 375 380	
atc tgg aaa tac ctt act gag gtt cct gac ggt ttg act agt gcc gaa	1200
Ile Trp Lys Tyr Leu Thr Glu Val Pro Asp Gly Leu Thr Ser Ala Glu	
385 390 395 400	
atg aag gat gct ctt ctt cag gtt gat atg ttc ggt ggt gag att cac	1248
Met Lys Asp Ala Leu Leu Gln Val Asp Met Phe Gly Gly Glu Ile His	
405 410 415	
aag gtt gtt tgg gat gct act gca gtt gct cag aga gag tac atc atc	1296
Lys Val Val Trp Asp Ala Thr Ala Val Ala Gln Arg Glu Tyr Ile Ile	
420 425 430	
aaa ctg cag tac cag aca tac tgg cag gaa gaa gac aag gat gca gtt	1344
Lys Leu Gln Tyr Gln Thr Tyr Trp Gln Glu Glu Asp Lys Asp Ala Val	
435 440 445	



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aac ttg aag tgg att aga gac ttt tac gag gag atg tat gag cct tat 1392
Asn Leu Lys Trp Ile Arg Asp Phe Tyr Glu Glu Met Tyr Glu Pro Tyr
450 455 460

ggg ggt gtt cca gac cct aac act cag gtt gag agt ggt aaa ggt gtt 1440
Gly Gly Val Pro Asp Pro Asn Thr Gln Val Glu Ser Gly Lys Gly Val
465 470 475 480

ttt gag gga tgc tac ttc aac tac cct gat gtt gac ttg aac aac tgg 1488
Phe Glu Gly Cys Tyr Phe Asn Tyr Pro Asp Val Asp Leu Asn Asn Trp
485 490 495

aag aac ggt aag tat ggt gcc ttg gaa ctt tac ttt ttg ggt aac ctg 1536
Lys Asn Gly Lys Tyr Gly Ala Leu Glu Leu Tyr Phe Leu Gly Asn Leu
500 505 510

aac aga ttg atc aag gcc aaa tgg ttg tgg gat cct aac gag atc ttc 1584
Asn Arg Leu Ile Lys Ala Lys Trp Leu Trp Asp Pro Asn Glu Ile Phe
515 520 525

aca aac aaa cag tct atc cct act aaa cct ctt aag gag cct aag cag 1632
Thr Asn Lys Gln Ser Ile Pro Thr Lys Pro Leu Lys Glu Pro Lys Gln
530 535 540

act aaa tag tag 1644
Thr Lys
545

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<210> 23
<211> 546
<212> PRT
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: Amino acid
sequence of synthetic Hox gene

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<400> 23
Met Ala Thr Leu Pro Gln Lys Asp Pro Gly Tyr Ile Val Ile Asp Val
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Asn Ala Gly Thr Pro Asp Lys Pro Asp Pro Arg Leu Pro Ser Met Lys
20 25 30

Gln Gly Phe Asn Arg Arg Trp Ile Gly Thr Asn Ile Asp Phe Val Tyr
35 40 45

Val Val Tyr Thr Pro Gln Gly Ala Cys Thr Ala Leu Asp Arg Ala Met
50 55 60

Glu Lys Cys Ser Pro Gly Thr Val Arg Ile Val Ser Gly Gly His Cys
65 70 75 80

Tyr Glu Asp Phe Val Phe Asp Glu Cys Val Lys Ala Ile Ile Asn Val
85 90 95

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Thr Gly Leu Val Glu Ser Gly Tyr Asp Asp Asp Arg Gly Tyr Phe Val  
 100 105 110  
 Ser Ser Gly Asp Thr Asn Trp Gly Ser Phe Lys Thr Leu Phe Arg Asp  
 115 120 125  
 His Gly Arg Val Leu Pro Gly Gly Ser Cys Tyr Ser Val Gly Leu Gly  
 130 135 140  
 Gly His Ile Val Gly Gly Gly Asp Gly Ile Leu Ala Arg Leu His Gly  
 145 150 155 160  
 Leu Pro Val Asp Trp Leu Ser Gly Val Glu Val Val Val Lys Pro Val  
 165 170 175  
 Leu Thr Glu Asp Ser Val Leu Lys Tyr Val His Lys Asp Ser Glu Gly  
 180 185 190  
 Asn Asp Gly Glu Leu Phe Trp Ala His Thr Gly Gly Gly Gly Gly Asn  
 195 200 205  
 Phe Gly Ile Ile Thr Lys Tyr Tyr Phe Lys Asp Leu Pro Met Ser Pro  
 210 215 220  
 Arg Gly Val Ile Ala Ser Asn Leu His Phe Ser Trp Asp Gly Phe Thr  
 225 230 235 240  
 Arg Asp Ala Leu Gln Asp Leu Leu Thr Lys Tyr Phe Lys Leu Ala Arg  
 245 250 255  
 Cys Asp Trp Lys Asn Thr Val Gly Lys Phe Gln Ile Phe His Gln Ala  
 260 265 270  
 Ala Glu Glu Phe Val Met Tyr Leu Tyr Thr Ser Tyr Ser Asn Asp Ala  
 275 280 285  
 Glu Arg Glu Val Ala Gln Asp Arg His Tyr His Leu Glu Ala Asp Ile  
 290 295 300  
 Glu Gln Ile Tyr Lys Thr Cys Glu Pro Thr Lys Ala Leu Gly Gly His  
 305 310 315 320  
 Ala Gly Trp Ala Pro Phe Pro Val Arg Pro Arg Lys Arg His Thr Ser  
 325 330 335  
 Lys Thr Ser Tyr Met His Asp Glu Thr Met Asp Tyr Pro Phe Tyr Ala  
 340 345 350  
 Leu Thr Glu Thr Ile Asn Gly Ser Gly Pro Asn Gln Arg Gly Lys Tyr  
 355 360 365  
 Lys Ser Ala Tyr Met Ile Lys Asp Phe Pro Asp Phe Gln Ile Asp Val  
 370 375 380  
 Ile Trp Lys Tyr Leu Thr Glu Val Pro Asp Gly Leu Thr Ser Ala Glu  
 385 390 395 400

Met Lys Asp Ala Leu Leu Gln Val Asp Met Phe Gly Gly Glu Ile His  
                     405                    410                    415  
 Lys Val Val Trp Asp Ala Thr Ala Val Ala Gln Arg Glu Tyr Ile Ile  
                     420                    425                    430  
 Lys Leu Gln Tyr Gln Thr Tyr Trp Gln Glu Glu Asp Lys Asp Ala Val  
                     435                    440                    445  
 Asn Leu Lys Trp Ile Arg Asp Phe Tyr Glu Glu Met Tyr Glu Pro Tyr  
                     450                    455                    460  
 Gly Gly Val Pro Asp Pro Asn Thr Gln Val Glu Ser Gly Lys Gly Val  
                     465                    470                    475                    480  
 Phe Glu Gly Cys Tyr Phe Asn Tyr Pro Asp Val Asp Leu Asn Asn Trp  
                     485                    490                    495  
 Lys Asn Gly Lys Tyr Gly Ala Leu Glu Leu Tyr Phe Leu Gly Asn Leu  
                     500                    505                    510  
 Asn Arg Leu Ile Lys Ala Lys Trp Leu Trp Asp Pro Asn Glu Ile Phe  
                     515                    520                    525  
 Thr Asn Lys Gln Ser Ile Pro Thr Lys Pro Leu Lys Glu Pro Lys Gln  
                     530                    535                    540  
 Thr Lys  
 545

<210> 24  
 <211> 5  
 <212> PRT  
 <213> Schwanniomyces occidentalis

<400> 24  
 Ser Ala Ile Gln Ala  
   1                    5

<210> 25  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
           amino acid signal sequence

<400> 25  
 Met Ala Thr Leu Pro  
   1                    5

<210> 26  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 amino acid signal sequence

<400> 26  
 Ala Thr Leu Pro  
 1

<210> 27  
 <211> 6  
 <212> PRT  
 <213> *Saccharomyces cerevisiae*

<400> 27  
 Lys Arg Glu Ala Glu Ala  
 1 5

<210> 28  
 <211> 5  
 <212> PRT  
 <213> *Aspergillus oryzae*

<400> 28  
 Ala Pro Ala Leu Ala  
 1 5

<210> 29  
 <211> 36  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 primer

<400> 29  
 gaattcatga ccgcattgtc cgacaaacaa acggct

36

<210> 30  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 primer

<400> 30  
 acccggggta gaagagccgg cagcaaacca gtt 33

<210> 31  
 <211> 35  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic primer

<400> 31  
 gggtgagctc tgccacttcc agggctgcgc tgttc 35

<210> 32  
 <211> 56  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic primer

<400> 32  
 ggagatcttt attaatggtg atggtgatgg tgggtaattg tgatcacagc gtccgg 56

<210> 33  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic primer

<400> 33  
 ggagatacta cctggaactc tggacaagag gac 33

<210> 34  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic primer

<400> 34  
 gtttgatcc ccgccagtac ccac 24

<210> 35

<211> 20

<212> PRT

<213> Hansenula polymorpha

<400> 35

Gly Ser Thr Asp Asn Pro Asp Gly Ile Asp Tyr Lys Thr Tyr Asp Tyr  
 1 5 10 15

Val Gly Val Trp  
 20

<210> 36

<211> 31

<212> PRT

<213> Gracilariaopsis lemaneiformis

<400> 36

Thr Ala Leu Ser Asp Lys Gln Thr Ala Thr Ala Gly Ser Thr Asp Asn  
 1 5 10 15

Pro Asp Gly Ile Asp Tyr Lys Thr Tyr Asp Tyr Val Gly Val Trp  
 20 25 30